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JOINT DECLARATION FOR PATENT APPLICATION

As the below named inventors, we hereby declare that:

Our residences, post office addresses and citizenship are as stated below next to our names;

We believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **TRANSFERRIN BINDING PROTEINS OF PASTEURELLA HAEMOLYTICA AND VACCINES CONTAINING SAME** the specification of which:

[] is attached hereto.

[X] was filed on **November 29, 1996** as application serial number **08/753,750** and, if applicable, was amended on _____

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

Prior Foreign Application(s)

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Country	Application Number	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority Claimed Under 35 U.S.C. 119
				Yes [] No []
				Yes [] No []
				Yes [] No []

Prior United States Application(s)

We hereby claim the benefit under Title 35, United States Code, § 119 or §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial Number	Date of Filing (day, month, year)	Status - Patented, Pending, Abandoned
60/008,569	December 1, 1995	Pending Provisional

And we hereby appoint, both jointly and severally, as our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the following attorneys, their registration numbers being listed after their names:

Jerry W. Mills, Registration No. 23,005; Scott F. Partridge, Registration No. 28,142; Rodger L. Tate, Registration No. 27,399; James G. Gatto, Registration No. 32,694; James Remenick, Registration No. 36,902; C. Patrick Turley, Registration No. 35,723; Laurence H. Posorske, Registration No. 34,698; Christopher C. Campbell, Registration No. 37,291; James B. Arpin, Registration No. 33,470; Steven P. Klocinski, Registration No. 39,521; Eric Sinn, Registration No. 40,177; and Stacy B. Margolies, Registration No. 39,760.

All correspondence and telephone communications should be addressed to: James Remenick, Baker & Botts, L.L.P., The Warner, Suite 1300, 1299 Pennsylvania Avenue, N.W., Washington, D.C. 20004-2400; (202) 639-7700, which is also the address and telephone number of each of the above listed attorneys.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature: [Signature] Date: Feb 4/97

Full Name of First Inventor LO 1-00 Reggie x.d.
 Family Name First Given Name Second Given Name

Residence 4 Birch Street; Guelph; Ontario, N1G 2N3 CANADA CAX

Citizenship CANADA

Post Office Address Same

Signature: [Signature] Date: January 30, 1997

Full Name of Second Inventor SCHRYVERS 2-00 Anthony Bernard
 Family Name First Given Name Second Given Name

Residence 39 Edforth Road, N.W.; Calgary; Alberta, T3A 3V8 CANADA CAX

Citizenship CANADA

Post Office Address Same

Signature: [Signature] Date: February 13, 1997

Full Name of Third Inventor POTTER 3-00 Andrew Allan
 Family Name First Given Name Second Given Name

Residence 521 Dalhousie Cres.; Saskatoon; Saskatchewan, S7H 3S5 CANADA CAX

Citizenship CANADA

Post Office Address Same

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 1299 Pennsylvania Avenue, N.W.
 WASHINGTON, D.C. 20004-2400
 (202) 639-7700

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Attorney's Docket No. 6580-057Applicant: Patentee: Reggie Lo, Anthony Schryvers and Andrew PotterPatent No.: 08/753,750Filed or Issued: November 29, 1996For: Transferrin Binding Proteins of Pasteurella Haemolytica and Vaccines Containing Same**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27 (d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF CONCERN University of SaskatchewanADDRESS OF CONCERN Saskatoon, Saskatchewan, S7N 5E3 Canada

TYPE OF ORGANIZATION

☒ UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION☐ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3))☐ NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA

(NAME OF STATE _____)

(CITATION OF STATUTE _____)

☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA

(NAME OF THE STATE _____)

(CITATION OF STATUTE _____)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Section 41(a) or (b) of Title 35, United States Code with regard to the invention entitled Transferrin Binding Proteins of Pasteurella Haemolytica and Vaccines Containing Same by inventors described in☐ the specification filed herewith☒ application serial no. 08/753,750, filed November 29, 1996☐ patent no. _____, issued _____

I hereby declare the rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a non-profit organization under 37 CFR 1.9(e). *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME University Technologies International Inc.ADDRESS Suite 204, 609 - 14 Street N.W., Calgary, Alberta, T2N 2A1 Canada☐ INDIVIDUAL ☒ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATIONNAME University of GuelphADDRESS Guelph, Ontario, N1G 2W1 Canada☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☒ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such wilful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Mr. Mickey GrahamTITLE OF PERSON OTHER THAN OWNER Contracts Officer, Research Services, University of Sask.ADDRESS OF PERSON SIGNING Kirk Hall, Room 210, 117 Science Place, Saskatoon, SK S7N 5C8SIGNATURE Mickey GrahamDATE February 13/97



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Attorney's Docket No. 6580-057

Applicant or Patentee: Reggie Lo, Anthony Schryvers and Andrew Potter
Serial Patent No.: 08/753,750
Date of Issued: November 29, 1996
For: Transferrin Binding Proteins of Pasteurella Haemolytica and Vaccines Containing Same

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27 (d)) - NONPROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF CONCERN University of Guelph
ADDRESS OF CONCERN Guelph, Ontario, N1G 2W1 Canada
TYPE OF ORGANIZATION
☒ UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
☐ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3))
☐ NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA
(NAME OF STATE _____)
(CITATION OF STATUTE _____)
☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA
☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA
(NAME OF THE STATE _____)
(CITATION OF STATUTE _____)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Section 41(a) or (b) of Title 35, United States Code with regard to the invention entitled Transferrin Binding Proteins of Pasteurella Haemolytica and Vaccines Containing Same by inventors described in

☐ the specification filed herewith
☒ application serial no. 08/753,750, filed November 29, 1996
☐ patent no. _____, issued _____

I hereby declare the rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.

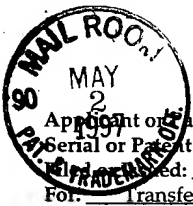
If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a non-profit organization under 37 CFR 1.9(e). *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME University Technologies International Inc.
ADDRESS Suite 204, 609 - 14 Street N.W., Calgary, Alberta, T2N 2A1 Canada
☐ INDIVIDUAL ☒ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION
NAME University of Saskatchewan
ADDRESS Saskatoon, Saskatchewan, S7N 5E3 Canada
☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☒ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such wilful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Dr. Jeremy C. Gawen
TITLE OF PERSON OTHER THAN OWNER DIRECTOR OF BUSINESS DEVELOPMENT
ADDRESS OF PERSON SIGNING University of Guelph, Guelph, Ontario N1G 2K9
SIGNATURE [Signature] DATE 18/2/97



Attorney's Docket No: 6580-57

Applicant or Inventor: Reggie Lo, Anthony Schryvers and Andrew Potter

Serial or Patent No.: 08/753,750

Filed: November 29, 1996

For: Transferrin Binding Proteins of Pasteurella Haemolytica and Vaccines Containing Same

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27 (c)) - SMALL BUSINESS CONCERN**

I hereby declare that I am

☐ the owner of the small business concern identified below:

☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF CONCERN University Technologies International Inc.

ADDRESS OF CONCERN Suite 204, 609 - 14 Street N.W., Calgary, Alberta, T2N 2A1 Canada

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled Transferrin Binding Proteins of Pasteurella Haemolytica and Vaccines Containing Same by inventor(s) Reggie Lo, Anthony Schryvers and Andrew Potter described in

☐ the specification filed herewith

☒ application serial no. 08/753,750, filed November 29, 1996

☐ patent no. _____, issued _____.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME University of Guelph

ADDRESS Guelph, Ontario, N1G 2W1 Canada

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☒ NONPROFIT ORGANIZATION

NAME University of Saskatchewan

ADDRESS Saskatoon, Saskatchewan, S7N 5E3 Canada

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☒ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Beverley Sheridan

TITLE OF PERSON OTHER THAN OWNER PRESIDENT & CEO

ADDRESS OF PERSON SIGNING UTI INC. 204 609-14 STREET NW.
CALGARY AB T2N 2A1

SIGNATURE Beverley Sheridan DATE Feb. 11/97